

ITEM 637 - STREET NAME SIGNS AND SUPPORTS

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637.01 Description. This work shall consist of furnishing all material, equipment, and labor necessary for the installing of street name signs and supports, complete and ready for service, in conformance with the types, locations, and sizes shown in the plans.

637.02 Materials. The Contractor shall supply adequate documentation that the items quoted meet the specifications, if so required. Acceptance of materials and products will be based upon specific tests in accordance with the following:

Street name sign supports	737.01
Aluminum sign blanks	737.02
Reflective sheeting, Type G.....	730.19
Cantilevered offset brackets.....	737.03

637.03 Street Name Sign Supports. Supports for double-faced street name signs shall be either 2.5 inch (63.5 mm) nominal post size (NPS) (2.875 O.D. x 0.203 inch wall) (73 mm O.D. x 5 mm) x 14 foot (4.3 m) long post, or 4 inch (102 mm) NPS (4.0 O.D. x 0.226 inch wall) (102 mm x 5.7 mm) x 21 foot (6.4 m) long post fabricated from new, hot dipped galvanized steel pipe in accordance with Section 730.26.

All supports shall be embedded in concrete in accordance with 499 Class C, 511. 2.5 inch (63.5 mm) NPS supports shall be concreted in a hole with a minimum depth of 3 feet (0.9 m), and a diameter of 10 inches (254 mm). The post shall have a minimum of 11 feet (3.3 m) above ground level. 4.0 inches (102 mm) NPS supports shall be concreted in a hole with a minimum depth of 4 feet (1.2 m), and a diameter of 10 inches (254 mm). The post shall have a minimum of 17 feet (5.2 m) above ground level.

The maximum allowable sign area for a 2 sign installation is 10 square feet (0.95 square meters). If the total street name sign area is greater than 10 square feet (0.9 m²), 1 sign support per sign shall be used.

637.04 Street Name Sign Fabrication. Sign faces shall be bonded to 0.063 inch (1.6 mm) thick sign blanks according to the sheeting manufacturers recommendation. There shall be 2 sign faces on each sign blank, 1 on each side, unless otherwise noted. All sheeting shall be Type G in accordance with 730.19. The street

name legend shall be either reverse-screened green on silver, or precut silver letters hand applied to green sheeting. For screening, the Transparent Process Color ink and "Clear Coat" to be used shall be Scotchlite Brand Series 800 or approved equal. The finished sign face shall be "clear coated". All sheeting inks and clear coat must be compatible.

Street name legends shall be printed in stroke width "C" and in heights of 4, 6, and 8 inch (102, 152 and 203 mm) upper case (Standard FHWA Alphabet including spacings). Prefixes and suffixes shall be printed in stroke width "C" and in heights of 2, 3, and 4 inch (50,76, and 102 mm) upper case (Standard FHWA Alphabet including spacings). All letters shall be centered on the vertical dimension and the legend will be centered on the various sign blades horizontally. If a message will not fit on a 72 inch (1.8 m) blade, stroke width "B" may be used. Street name letter heights will be as follows: 4 inch (102 mm) legend with 2 inch (50 mm) prefix and suffix on a 9 inch (228 mm) blade, 6 inch (152 mm) legend and 3 inch (76 mm) prefix and suffix on a 12 inch (305 mm) blade, and an 8 inch (203 mm) legend and 4 inch (102 mm) prefix and suffix on an 18 inch (457 mm) blade. The space between the prefix or suffix and the street name shall be the same width as the letter "O" in the smaller size alphabet. The minimum distance between the edge of the sign and the first or last letter of the street name, prefix, or suffix shall be 4 inch (102 mm).

The finished street name sign blanks shall be riveted to 2 cantilevered offset bracket assemblies with universal saddle clamps and double tee sections in accordance with 730.28. For signs greater than 48 inch (1.2 m) in length, a special assembly is required. This assembly shall consist of 2 cantilevered offset brackets, separated by a spacer, riveted to the appropriate double tee section. The signs shall be attached to the sign supports using a stainless steel buckle-strap combination.

637.05 Installation. When street name signs are to be installed at the intersection of two arterial streets, 18 inches (457 mm) blades and 4.0 inch (102 mm) NPS posts shall be used. The signs shall be mounted 14 feet (4.3 m) above ground level. Only 1 street name sign per post shall be used. Signs shall be located near-left, and far-right at all locations unless otherwise specified.

At the intersection of a local street and an arterial street, 12 inch (305 mm) blades and 4.0 inch (102 mm) NPS posts shall be used. The signs shall be mounted 14 feet (4.3 m) above ground level. Signs shall be located far-right for the arterial with 2 signs per post. If the combined square footage of both signs exceeds 10 square feet (0.9 m²), a separate post shall be used for each sign as for the intersection of 2 arterial streets.

At the intersection of 2 local streets, 9 inch (228 mm) blades and 2.5 inch (63.5 mm) NPS posts shall be used. The signs shall be mounted 10 feet (3.0 m) above ground level. Signs shall be located in such a manner as to minimize the obstruction of other traffic control signs.

All signs shall be banded to the posts with sufficient tightness to prevent rotation due to wind loads.

637.06 Inspection. After erection, signs will be inspected under both day and night conditions, and any deficiencies in lateral position or visibility shall be corrected to the satisfaction of the Inspector.

637.07 Method of Measurement. Street name sign supports shall be measured as the size and number of pipe supports, including excavation and concrete embedment. Street name signs will be measured as square footage (square meters) of sign blank, including mounting fittings and hardware.

637.08 Basis of Payment. Quantities of specific items measured as provided above, in place, complete, and accepted will be paid for under:

Item	Unit	Description
637	Each	2.5 inch (63.5 mm) NPS Street Name Sign Support
637	Each	4.0 inch (102 mm) NPS Street Name Sign Support
637	Square Feet (Square Meter)	Street Name Sign